

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 60.51, 4.13, 10.67

LAB*LABx: 60.51, 4.13, 10.67

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*ORS18 setcmkcolor

output: cmyn4* setcmkcolor

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

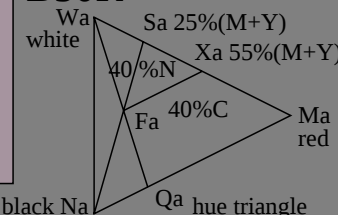
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 53.68, 4.22, 11.65

LAB*LABx: 53.68, 4.22, 11.65

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 55.48 -12.4 11.99
LAB*LABa 55.48 -12.4 11.99
LAB*TCHa 52.5 17.26 136.01
CIELAB relative:
lab*lab 0.581 -0.107 0.104
lab*tch 0.525 0.15 0.378
lab*nch 0.4 0.15 0.378
Natural Colour (NC) relative:
lab*lrj 0.581 -0.124 0.083
lab*tce 0.525 0.15 0.406
lab*nce 0.4 0.15 j62g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 50.1 0.0 0.0
LAB*LABa 50.1 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 50.51 11.54 9.68
LAB*LABa 50.51 11.54 9.68
LAB*TCHa 52.5 15.06 40.0
CIELAB relative:
lab*lab 0.529 0.115 0.096
lab*tch 0.525 0.15 0.111
lab*nch 0.4 0.15 0.111
Natural Colour (NC) relative:
lab*lrj 0.529 0.141 0.05
lab*tce 0.525 0.15 0.054
lab*nce 0.4 0.15 r21j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

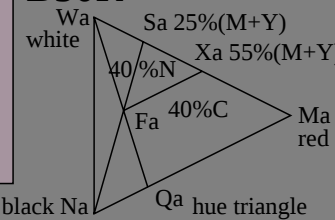
olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45

olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*TLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS00 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LAB setcolor*

*LAB*LAB*: 60.51, 4.13, 10.67*

*LAB*LABx: 60.51, 4.13, 10.67*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.73 -5.79 11.92
*LAB*LABa* 60.73 -5.47 9.5
*LAB*TCHa* 52.5 10.97 119.98
CIELAB relative:
*lab*lab* 0.552 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.552 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.77 -9.68 7.46
*LAB*LABa* 57.77 -9.41 5.24
*LAB*TCHa* 52.5 10.78 150.91
CIELAB relative:
*lab*lab* 0.514 -0.13 0.073
*lab*tch* 0.525 0.15 0.419
*lab*nch* 0.4 0.15 0.419
Natural Colour (NC) relative:
*lab*lrj* 0.514 -0.144 0.038
*lab*tce* 0.525 0.15 0.46
*lab*nce* 0.4 0.15 j83g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.93 -4.83 -4.44
*LAB*LABa* 58.93 -4.54 -6.74
*LAB*TCHa* 52.5 8.14 236.02
CIELAB relative:
*lab*lab* 0.529 -0.083 -0.123
*lab*tch* 0.525 0.15 0.656
*lab*nch* 0.4 0.15 0.656
Natural Colour (NC) relative:
*lab*lrj* 0.529 -0.073 -0.13
*lab*tce* 0.525 0.15 0.668
*lab*nce* 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.69 -1.91 16.38
*LAB*LABa* 63.69 -1.53 13.76
*LAB*TCHa* 52.5 13.85 96.38
CIELAB relative:
*lab*lab* 0.59 -0.016 0.149
*lab*tch* 0.525 0.15 0.268
*lab*nch* 0.4 0.15 0.268
Natural Colour (NC) relative:
*lab*lrj* 0.59 -0.013 0.149
*lab*tce* 0.525 0.15 0.265
*lab*nce* 0.4 0.15 j05g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 -0.27 2.28
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.0 4.47 -4.68
*LAB*LABa* 54.0 4.66 -6.65
*LAB*TCHa* 52.5 8.13 305.0
CIELAB relative:
*lab*lab* 0.465 0.086 -0.122
*lab*tch* 0.525 0.15 0.847
*lab*nch* 0.4 0.15 0.847
Natural Colour (NC) relative:
*lab*lrj* 0.465 0.067 -0.133
*lab*tce* 0.525 0.15 0.823
*lab*nce* 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.51 3.82 13.08
*LAB*LABa* 60.51 4.13 10.67
*LAB*TCHa* 52.5 11.44 68.82
CIELAB relative:
*lab*lab* 0.549 0.054 0.14
*lab*tch* 0.525 0.15 0.191
*lab*nch* 0.4 0.15 0.191
Natural Colour (NC) relative:
*lab*lrj* 0.549 0.079 0.128
*lab*tce* 0.525 0.15 0.162
*lab*nce* 0.4 0.15 r64j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.33 9.55 9.77
*LAB*LABa* 57.33 9.81 7.58
*LAB*TCHa* 52.5 12.39 37.69
CIELAB relative:
*lab*lab* 0.508 0.119 0.092
*lab*tch* 0.525 0.15 0.105
*lab*nch* 0.4 0.15 0.105
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.144 0.042
*lab*tce* 0.525 0.15 0.046
*lab*nce* 0.4 0.15 r18j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 57.36 11.03 0.94
*LAB*LABa* 57.36 11.29 -1.24
*LAB*TCHa* 52.5 11.36 353.66
CIELAB relative:
*lab*lab* 0.508 0.149 -0.016
*lab*tch* 0.525 0.15 0.982
*lab*nch* 0.4 0.15 0.982
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.136 -0.063
*lab*tce* 0.525 0.15 0.93
*lab*nce* 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 60.51, 4.13, 10.67
*LCH*Fa*: 60.51, 11.44, 68.82

*LAB*Ma*: 69.15, 27.56, 71.13
*LCH*Ma*: 69.15, 76.28, 68.82

*LAB*Sa*: 88.85, 6.89, 17.78
*LCH*Sa*: 88.85, 19.07, 68.82

*LAB*Qa*: 31.96, 7.52, 19.4
*LCH*Qa*: 31.96, 20.8, 68.82

*LAB*Xa*: 80.97, 15.16, 39.12
*LCH*Xa*: 80.97, 41.96, 68.82

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.191
*ncw*Fa*: 0.4, 0.15, 0.45

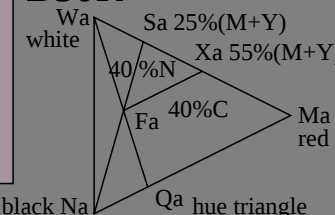
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.191
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.191
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.191
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.191
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*DRSxx* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*DRSxx setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 61.05, 3.88, 10.15

LAB*LABx: 61.05, 3.88, 10.15

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.39 -7.42 11.94
LAB*LABa 63.39 -7.42 11.94
LAB*TCHa 52.5 14.07 121.9
CIELAB relative:
lab*lab 0.586 -0.078 0.127
lab*tch 0.525 0.15 0.339
lab*nch 0.4 0.15 0.339
Natural Colour (NC) relative:
lab*lrj 0.586 -0.092 0.118
lab*tce 0.525 0.15 0.356
lab*nce 0.4 0.15 j42g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 62.74 -11.85 11.12
LAB*LABa 62.74 -11.85 11.12
LAB*TCHa 52.5 16.26 136.86
CIELAB relative:
lab*lab 0.578 -0.108 0.103
lab*tch 0.525 0.15 0.38
lab*nch 0.4 0.15 0.38
Natural Colour (NC) relative:
lab*lrj 0.578 -0.125 0.081
lab*tce 0.525 0.15 0.409
lab*nce 0.4 0.15 j63g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 63.21 -6.66 -1.96
LAB*LABa 63.21 -6.66 -1.96
LAB*TCHa 52.5 6.95 196.46
CIELAB relative:
lab*lab 0.584 -0.143 -0.042
lab*tch 0.525 0.15 0.546
lab*nch 0.4 0.15 0.546
Natural Colour (NC) relative:
lab*lrj 0.584 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 64.05 -3.0 12.77
LAB*LABa 64.05 -3.0 12.77
LAB*TCHa 52.5 13.12 103.25
CIELAB relative:
lab*lab 0.595 -0.033 0.146
lab*tch 0.525 0.15 0.287
lab*nch 0.4 0.15 0.287
Natural Colour (NC) relative:
lab*lrj 0.595 -0.036 0.145
lab*tce 0.525 0.15 0.289
lab*nce 0.4 0.15 j15g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 0.0 0.0
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.9 3.7 -5.62
LAB*LABa 54.9 3.7 -5.62
LAB*TCHa 52.5 6.74 303.29
CIELAB relative:
lab*lab 0.477 0.082 -0.124
lab*tch 0.525 0.15 0.842
lab*nch 0.4 0.15 0.842
Natural Colour (NC) relative:
lab*lrj 0.477 0.063 -0.135
lab*tce 0.525 0.15 0.819
lab*nce 0.4 0.15 b27r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 61.05 3.88 10.15
LAB*LABa 61.05 3.88 10.15
LAB*TCHa 52.5 10.86 69.07
CIELAB relative:
lab*lab 0.556 0.054 0.14
lab*tch 0.525 0.15 0.192
lab*nch 0.4 0.15 0.192
Natural Colour (NC) relative:
lab*lrj 0.556 0.078 0.128
lab*tce 0.525 0.15 0.163
lab*nce 0.4 0.15 r65j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 58.04 10.77 7.53
LAB*LABa 58.04 10.77 7.53
LAB*TCHa 52.5 13.14 34.95
CIELAB relative:
lab*lab 0.517 0.123 0.086
lab*tch 0.525 0.15 0.097
lab*nch 0.4 0.15 0.097
Natural Colour (NC) relative:
lab*lrj 0.517 0.146 0.033
lab*tce 0.525 0.15 0.035
lab*nce 0.4 0.15 r14j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 58.98 13.42 -2.91
LAB*LABa 58.98 13.42 -2.91
LAB*TCHa 52.5 13.74 347.72
CIELAB relative:
lab*lab 0.529 0.147 -0.031
lab*tch 0.525 0.15 0.966
lab*nch 0.4 0.15 0.966
Natural Colour (NC) relative:
lab*lrj 0.529 0.13 -0.074
lab*tce 0.525 0.15 0.917
lab*nce 0.4 0.15 b66r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 61.05, 3.88, 10.15
LCH*Fa: 61.05, 10.86, 69.07

LAB*Ma: 72.72, 25.87, 67.65
LCH*Ma: 72.72, 72.43, 69.07

LAB*Sa: 89.74, 6.47, 16.91
LCH*Sa: 89.74, 18.11, 69.07

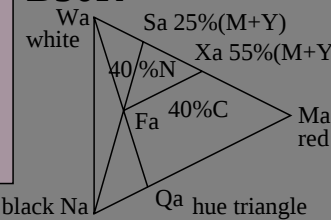
LAB*Qa: 32.93, 7.06, 18.45
LCH*Qa: 32.93, 19.75, 69.07

LAB*Xa: 82.93, 14.23, 37.21
LCH*Xa: 82.93, 39.84, 69.07

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.192
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.192
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.192
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.192
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.192
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*TLS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS18 setcmkcolor

output: cmyn4* setcmkcolor

See for similar files: <http://www.ps.bam.de/ME47/>
Technical information: <http://www.ps.bam.de>

Version 3.0, io=1,0; iORS; oORS, CIELAB

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LAB setcolor*

*LAB*LAB**: 52.5, 6.5, 11.25

*LAB*LABx*: 52.5, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*SLS00 setcmkcolor*

output: *cmyn4* setcmkcolor*

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TBHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 -12.98 7.5
LAB*LABa 50.0 -12.98 7.5
LAB*TBHa 52.5 15.0 150.0
CIELAB relative:
lab*lab 0.5 -0.129 0.075
lab*tch 0.525 0.15 0.417
lab*nch 0.4 0.15 0.417
Natural Colour (NC) relative:
lab*lrj 0.5 -0.143 0.041
lab*tce 0.525 0.15 0.456
lab*nce 0.4 0.15 j82g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TBHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TBHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 52.5 0.0 0.0
LAB*LABa 52.5 0.0 0.0
LAB*TBHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TBHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TBHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 12.99 7.5
LAB*LABa 50.0 12.99 7.5
LAB*TBHa 52.5 15.0 30.0
CIELAB relative:
lab*lab 0.5 0.13 0.075
lab*tch 0.525 0.15 0.083
lab*nch 0.4 0.15 0.083
Natural Colour (NC) relative:
lab*lrj 0.5 0.149 0.016
lab*tce 0.525 0.15 0.017
lab*nce 0.4 0.15 r06j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TBHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

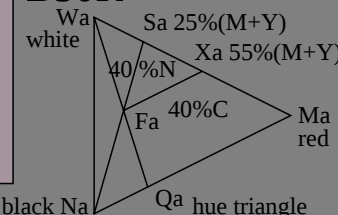
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



BAM registration: 20050101-ME47/10L/L47E04FP.PS/.PDF
application for measurement of printer or monitor systems

/ME47/ Form: 5/6, Serie: 1/4, Page: 5

BAM material: code=rh4ta

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 58.65, 6.5, 11.25

LAB*LABx: 58.65, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 58.65 -6.49 11.25
LAB*LABa 58.65 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 56.71 -12.98 7.5
LAB*LABa 56.71 -12.98 7.5
LAB*TCHa 52.5 15.0 150.0
CIELAB relative:
lab*lab 0.5 -0.129 0.075
lab*tch 0.525 0.15 0.417
lab*nch 0.4 0.15 0.417
Natural Colour (NC) relative:
lab*lrj 0.5 -0.143 0.041
lab*tce 0.525 0.15 0.456
lab*nce 0.4 0.15 j82g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 -12.98 -7.49
LAB*LABa 60.58 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.58 0.0 15.0
LAB*LABa 60.58 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 0.0 0.0
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 56.71 0.0 -14.99
LAB*LABa 56.71 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 58.65 6.5 11.25
LAB*LABa 58.65 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 56.71 12.99 7.5
LAB*LABa 56.71 12.99 7.5
LAB*TCHa 52.5 15.0 30.0
CIELAB relative:
lab*lab 0.5 0.13 0.075
lab*tch 0.525 0.15 0.083
lab*nch 0.4 0.15 0.083
Natural Colour (NC) relative:
lab*lrj 0.5 0.149 0.016
lab*tce 0.525 0.15 0.017
lab*nce 0.4 0.15 r06j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 12.99 -7.49
LAB*LABa 60.58 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 58.65, 6.5, 11.25
LCH*Fa: 58.65, 12.99, 60.0

LAB*Ma: 56.71, 43.3, 75.0
LCH*Ma: 56.71, 86.6, 60.0

LAB*Sa: 85.74, 10.82, 18.75
LCH*Sa: 85.74, 21.65, 60.0

LAB*Qa: 28.56, 11.81, 20.45
LCH*Qa: 28.56, 23.62, 60.0

LAB*Xa: 74.12, 23.82, 41.25
LCH*Xa: 74.12, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

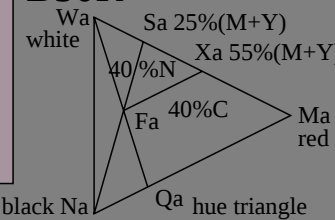
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*SRS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SRS18 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LCH setcolor

LAB*LCH*: 60.51, 11.44, 68.82

LAB*LABx: 60.51, 4.13, 10.67

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*ORS18 setcmkcolor

output: cmyn4* setcmkcolor

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

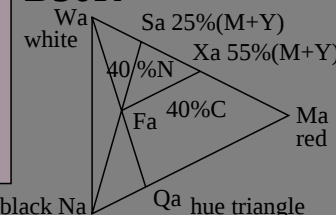
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*

*LAB*LCH*: 53.68, 12.39, 70.1*

*LAB*LABx: 53.68, 4.22, 11.65*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4

CIELAB absolute:
*LAB*LAB* 56.16 -7.75 12.8
*LAB*LABa* 56.16 -7.75 12.8
*LAB*TCHa* 52.5 14.97 121.23

CIELAB relative:
*lab*lab* 0.589 -0.077 0.128
*lab*tch* 0.525 0.15 0.337
*lab*nch* 0.4 0.15 0.337

Natural Colour (NC) relative:
*lab*lrj* 0.589 -0.09 0.119
*lab*tce* 0.525 0.15 0.353
*lab*nce* 0.4 0.15 j41g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4

CIELAB absolute:
*LAB*LAB* 55.48 -12.4 11.99
*LAB*LABa* 55.48 -12.4 11.99
*LAB*TCHa* 52.5 17.26 136.01

CIELAB relative:
*lab*lab* 0.581 -0.107 0.104
*lab*tch* 0.525 0.15 0.378
*lab*nch* 0.4 0.15 0.378

Natural Colour (NC) relative:
*lab*lrj* 0.581 -0.124 0.083
*lab*tce* 0.525 0.15 0.406
*lab*nce* 0.4 0.15 j62g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4

CIELAB absolute:
*LAB*LAB* 55.97 -6.92 -2.02
*LAB*LABa* 55.97 -6.92 -2.02
*LAB*TCHa* 52.5 7.22 196.37

CIELAB relative:
*lab*lab* 0.587 -0.143 -0.041
*lab*tch* 0.525 0.15 0.545
*lab*nch* 0.4 0.15 0.545

Natural Colour (NC) relative:
*lab*lrj* 0.587 -0.131 -0.07
*lab*tce* 0.525 0.15 0.578
*lab*nce* 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4

CIELAB absolute:
*LAB*LAB* 56.84 -3.1 13.61
*LAB*LABa* 56.84 -3.1 13.61
*LAB*TCHa* 52.5 13.96 102.85

CIELAB relative:
*lab*lab* 0.596 -0.032 0.146
*lab*tch* 0.525 0.15 0.286
*lab*nch* 0.4 0.15 0.286

Natural Colour (NC) relative:
*lab*lrj* 0.596 -0.034 0.146
*lab*tce* 0.525 0.15 0.288
*lab*nce* 0.4 0.15 j15g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475

CIELAB absolute:
*LAB*LAB* 50.1 0.0 0.0
*LAB*LABa* 50.1 0.0 0.0
*LAB*TCHa* 52.5 0.0 -

CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -

Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4

CIELAB absolute:
*LAB*LAB* 47.5 11.41 -15.53
*LAB*LABa* 47.5 11.41 -15.53
*LAB*TCHa* 52.5 19.28 306.29

CIELAB relative:
*lab*lab* 0.498 0.089 -0.12
*lab*tch* 0.525 0.15 0.851
*lab*nch* 0.4 0.15 0.851

Natural Colour (NC) relative:
*lab*lrj* 0.498 0.069 -0.132
*lab*tce* 0.525 0.15 0.826
*lab*nce* 0.4 0.15 b30r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4

CIELAB absolute:
*LAB*LAB* 53.68 4.22 11.65
*LAB*LABa* 53.68 4.22 11.65
*LAB*TCHa* 52.5 12.39 70.1

CIELAB relative:
*lab*lab* 0.563 0.051 0.141
*lab*tch* 0.525 0.15 0.195
*lab*nch* 0.4 0.15 0.195

Natural Colour (NC) relative:
*lab*lrj* 0.563 0.075 0.13
*lab*tce* 0.525 0.15 0.167
*lab*nce* 0.4 0.15 r66j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4

CIELAB absolute:
*LAB*LAB* 50.51 11.54 9.68
*LAB*LABa* 50.51 11.54 9.68
*LAB*TCHa* 52.5 15.06 40.0

CIELAB relative:
*lab*lab* 0.529 0.115 0.096
*lab*tch* 0.525 0.15 0.111
*lab*nch* 0.4 0.15 0.111

Natural Colour (NC) relative:
*lab*lrj* 0.529 0.141 0.05
*lab*tce* 0.525 0.15 0.054
*lab*nce* 0.4 0.15 r21j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4

CIELAB absolute:
*LAB*LAB* 51.53 14.15 -8.75
*LAB*LABa* 51.53 14.15 -8.75
*LAB*TCHa* 52.5 16.65 328.23

CIELAB relative:
*lab*lab* 0.54 0.128 -0.078
*lab*tch* 0.525 0.15 0.912
*lab*nch* 0.4 0.15 0.912

Natural Colour (NC) relative:
*lab*lrj* 0.54 0.106 -0.106
*lab*tce* 0.525 0.15 0.874
*lab*nce* 0.4 0.15 b49r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa: 53.68, 4.22, 11.65*
*LCH*Fa: 53.68, 12.39, 70.1*

*LAB*Ma: 71.58, 28.11, 77.65*
*LCH*Ma: 71.58, 82.58, 70.1*

*LAB*Sa: 89.45, 7.03, 19.41*
*LCH*Sa: 89.45, 20.65, 70.1*

*LAB*Qa: 19.53, 7.67, 21.18*
*LCH*Qa: 19.53, 22.52, 70.1*

*LAB*Xa: 82.3, 15.46, 42.71*
*LCH*Xa: 82.3, 45.42, 70.1*

R'

*olvi3*Fa: 0.6, 0.525, 0.45*
*tch*Fa: 0.525, 0.15, 0.195*
*ncw*Fa: 0.4, 0.15, 0.45*

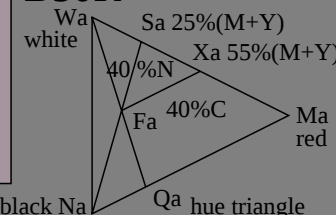
*olvi3*Ma: 1.0, 0.5, 0.0*
*tch*Ma: 0.5, 1.0, 0.195*
*ncw*Ma: 0.0, 1.0, 0.0*

*olvi3*Sa: 1.0, 0.875, 0.75*
*tch*Sa: 0.875, 0.25, 0.195*
*ncw*Sa: 0.0, 0.25, 0.75*

*olvi3*Qa: 0.273, 0.136, 0.0*
*tch*Qa: 0.136, 0.273, 0.195*
*ncw*Qa: 0.727, 0.273, 0.0*

*olvi3*Xa: 1.0, 0.725, 0.45*
*tch*Xa: 0.725, 0.55, 0.195*
*ncw*Xa: 0.0, 0.55, 0.45*

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*TLS00* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*TLS00 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LCH setcolor

LAB*LCH*: 60.51, 11.44, 68.82

LAB*LABx: 60.51, 4.13, 10.67

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.79 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*LABb 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.41 5.24
LAB*LABb 52.5 10.78 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.44
LAB*LABa 58.93 -4.54 -6.74
LAB*LABb 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*LABb 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*LABb 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.68
LAB*LABa 54.0 4.66 -6.65
LAB*LABb 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.08
LAB*LABa 60.51 4.13 10.67
LAB*LABb 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.77
LAB*LABa 57.33 9.81 7.58
LAB*LABb 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.94
LAB*LABa 57.36 11.29 -1.24
LAB*LABb 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.28, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.8, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

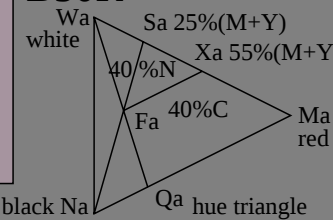
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*DRSxx as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*DRSxx setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*

*LAB*LCH*: 61.05, 10.86, 69.07*

*LAB*LABx: 61.05, 3.88, 10.15*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.39 -7.42 11.94
*LAB*LABa* 63.39 -7.42 11.94
*LAB*TCHa* 52.5 14.07 121.9
CIELAB relative:
*lab*lab* 0.586 -0.078 0.127
*lab*tch* 0.525 0.15 0.339
*lab*nch* 0.4 0.15 0.339
Natural Colour (NC) relative:
*lab*lrj* 0.586 -0.092 0.118
*lab*tce* 0.525 0.15 0.356
*lab*nce* 0.4 0.15 j42g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 62.74 -11.85 11.12
*LAB*LABa* 62.74 -11.85 11.12
*LAB*TCHa* 52.5 16.26 136.86
CIELAB relative:
*lab*lab* 0.578 -0.108 0.103
*lab*tch* 0.525 0.15 0.38
*lab*nch* 0.4 0.15 0.38
Natural Colour (NC) relative:
*lab*lrj* 0.578 -0.125 0.081
*lab*tce* 0.525 0.15 0.409
*lab*nce* 0.4 0.15 j63g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 63.21 -6.66 -1.96
*LAB*LABa* 63.21 -6.66 -1.96
*LAB*TCHa* 52.5 6.95 196.46
CIELAB relative:
*lab*lab* 0.584 -0.143 -0.042
*lab*tch* 0.525 0.15 0.546
*lab*nch* 0.4 0.15 0.546
Natural Colour (NC) relative:
*lab*lrj* 0.584 -0.131 -0.07
*lab*tce* 0.525 0.15 0.578
*lab*nce* 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 64.05 -3.0 12.77
*LAB*LABa* 64.05 -3.0 12.77
*LAB*TCHa* 52.5 13.12 103.25
CIELAB relative:
*lab*lab* 0.595 -0.033 0.146
*lab*tch* 0.525 0.15 0.287
*lab*nch* 0.4 0.15 0.287
Natural Colour (NC) relative:
*lab*lrj* 0.595 -0.036 0.145
*lab*tce* 0.525 0.15 0.289
*lab*nce* 0.4 0.15 j15g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.9 3.7 -5.62
*LAB*LABa* 54.9 3.7 -5.62
*LAB*TCHa* 52.5 6.74 303.29
CIELAB relative:
*lab*lab* 0.477 0.082 -0.124
*lab*tch* 0.525 0.15 0.842
*lab*nch* 0.4 0.15 0.842
Natural Colour (NC) relative:
*lab*lrj* 0.477 0.063 -0.135
*lab*tce* 0.525 0.15 0.819
*lab*nce* 0.4 0.15 b27r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 61.05 3.88 10.15
*LAB*LABa* 61.05 3.88 10.15
*LAB*TCHa* 52.5 10.86 69.07
CIELAB relative:
*lab*lab* 0.556 0.054 0.14
*lab*tch* 0.525 0.15 0.192
*lab*nch* 0.4 0.15 0.192
Natural Colour (NC) relative:
*lab*lrj* 0.556 0.078 0.128
*lab*tce* 0.525 0.15 0.163
*lab*nce* 0.4 0.15 r65j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.04 10.77 7.53
*LAB*LABa* 58.04 10.77 7.53
*LAB*TCHa* 52.5 13.14 34.95
CIELAB relative:
*lab*lab* 0.517 0.123 0.086
*lab*tch* 0.525 0.15 0.097
*lab*nch* 0.4 0.15 0.097
Natural Colour (NC) relative:
*lab*lrj* 0.517 0.146 0.033
*lab*tce* 0.525 0.15 0.035
*lab*nce* 0.4 0.15 r14j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.98 13.42 -2.91
*LAB*LABa* 58.98 13.42 -2.91
*LAB*TCHa* 52.5 13.74 347.72
CIELAB relative:
*lab*lab* 0.529 0.147 -0.031
*lab*tch* 0.525 0.15 0.966
*lab*nch* 0.4 0.15 0.966
Natural Colour (NC) relative:
*lab*lrj* 0.529 0.13 -0.074
*lab*tce* 0.525 0.15 0.917
*lab*nce* 0.4 0.15 b66r

B50R'

All data for the colour R50J'

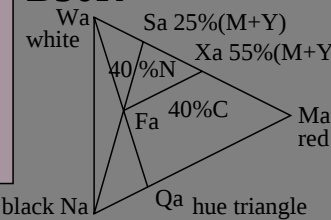
R50J'

*LAB*Fa*: 61.05, 3.88, 10.15
*LCH*Fa*: 61.05, 10.86, 69.07
*LAB*Ma*: 72.72, 25.87, 67.65
*LCH*Ma*: 72.72, 72.43, 69.07
*LAB*Sa*: 89.74, 6.47, 16.91
*LCH*Sa*: 89.74, 18.11, 69.07
*LAB*Qa*: 32.93, 7.06, 18.45
*LCH*Qa*: 32.93, 19.75, 69.07
*LAB*Xa*: 82.93, 14.23, 37.21
*LCH*Xa*: 82.93, 39.84, 69.07

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.192
*ncw*Fa*: 0.4, 0.15, 0.45
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.192
*ncw*Ma*: 0.0, 1.0, 0.0
*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.192
*ncw*Sa*: 0.0, 0.25, 0.75
*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.192
*ncw*Qa*: 0.727, 0.273, 0.0
*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.192
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*TLS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*TLS18 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LCH setcolor

LAB*LCH*: 52.5, 12.99, 60.0

LAB*LABx: 52.5, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 -12.98 7.5
LAB*LABa 50.0 -12.98 7.5
LAB*TCHa 52.5 15.0 150.0
CIELAB relative:
lab*lab 0.5 -0.129 0.075
lab*tch 0.525 0.15 0.417
lab*nch 0.4 0.15 0.417
Natural Colour (NC) relative:
lab*lrj 0.5 -0.143 0.041
lab*tce 0.525 0.15 0.456
lab*nce 0.4 0.15 j82g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 52.5 0.0 0.0
LAB*LABa 52.5 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 12.99 7.5
LAB*LABa 50.0 12.99 7.5
LAB*TCHa 52.5 15.0 30.0
CIELAB relative:
lab*lab 0.5 0.13 0.075
lab*tch 0.525 0.15 0.083
lab*nch 0.4 0.15 0.083
Natural Colour (NC) relative:
lab*lrj 0.5 0.149 0.016
lab*tce 0.525 0.15 0.017
lab*nce 0.4 0.15 r06j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

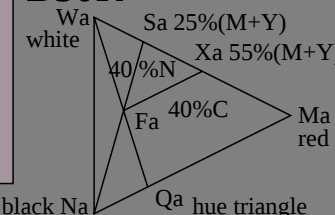
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SLS00 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*

*LAB*LCH*: 58.65, 12.99, 60.0*

*LAB*LABx: 58.65, 6.5, 11.25*

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 -6.49 11.25
*LAB*LABa* 58.65 -6.49 11.25
*LAB*TCHa* 52.5 12.99 120.0
CIELAB relative:
*lab*lab* 0.525 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.525 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 -12.98 7.5
*LAB*LABa* 56.71 -12.98 7.5
*LAB*TCHa* 52.5 15.0 150.0
CIELAB relative:
*lab*lab* 0.5 -0.129 0.075
*lab*tch* 0.525 0.15 0.417
*lab*nch* 0.4 0.15 0.417
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.143 0.041
*lab*tce* 0.525 0.15 0.456
*lab*nce* 0.4 0.15 j82g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 -12.98 -7.49
*LAB*LABa* 60.58 -12.98 -7.49
*LAB*TCHa* 52.5 15.0 210.0
CIELAB relative:
*lab*lab* 0.55 -0.129 -0.074
*lab*tch* 0.525 0.15 0.583
*lab*nch* 0.4 0.15 0.583
Natural Colour (NC) relative:
*lab*lrj* 0.55 -0.115 -0.094
*lab*tce* 0.525 0.15 0.609
*lab*nce* 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.58 0.0 15.0
*LAB*LABa* 60.58 0.0 15.0
*LAB*TCHa* 52.5 15.0 90.0
CIELAB relative:
*lab*lab* 0.55 0.0 0.15
*lab*tch* 0.525 0.15 0.25
*lab*nch* 0.4 0.15 0.25
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.008 0.15
*lab*tce* 0.525 0.15 0.241
*lab*nce* 0.4 0.15 r96j

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 56.71 0.0 -14.99
*LAB*LABa* 56.71 0.0 -14.99
*LAB*TCHa* 52.5 15.0 270.0
CIELAB relative:
*lab*lab* 0.5 0.0 -0.149
*lab*tch* 0.525 0.15 0.75
*lab*nch* 0.4 0.15 0.75
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.003 -0.149
*lab*tce* 0.525 0.15 0.746
*lab*nce* 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 6.5 11.25
*LAB*LABa* 58.65 6.5 11.25
*LAB*TCHa* 52.5 12.99 60.0
CIELAB relative:
*lab*lab* 0.525 0.075 0.13
*lab*tch* 0.525 0.15 0.167
*lab*nch* 0.4 0.15 0.167
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.103 0.109
*lab*tce* 0.525 0.15 0.129
*lab*nce* 0.4 0.15 r51j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 12.99 7.5
*LAB*LABa* 56.71 12.99 7.5
*LAB*TCHa* 52.5 15.0 30.0
CIELAB relative:
*lab*lab* 0.5 0.13 0.075
*lab*tch* 0.525 0.15 0.083
*lab*nch* 0.4 0.15 0.083
Natural Colour (NC) relative:
*lab*lrj* 0.5 0.149 0.016
*lab*tce* 0.525 0.15 0.017
*lab*nce* 0.4 0.15 r06j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 12.99 -7.49
*LAB*LABa* 60.58 12.99 -7.49
*LAB*TCHa* 52.5 15.0 330.0
CIELAB relative:
*lab*lab* 0.55 0.13 -0.074
*lab*tch* 0.525 0.15 0.917
*lab*nch* 0.4 0.15 0.917
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.108 -0.103
*lab*tce* 0.525 0.15 0.878
*lab*nce* 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 58.65, 6.5, 11.25
*LCH*Fa*: 58.65, 12.99, 60.0

*LAB*Ma*: 56.71, 43.3, 75.0
*LCH*Ma*: 56.71, 86.6, 60.0

*LAB*Sa*: 85.74, 10.82, 18.75
*LCH*Sa*: 85.74, 21.65, 60.0

*LAB*Qa*: 28.56, 11.81, 20.45
*LCH*Qa*: 28.56, 23.62, 60.0

*LAB*Xa*: 74.12, 23.82, 41.25
*LCH*Xa*: 74.12, 47.63, 60.0

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.167
*ncw*Fa*: 0.4, 0.15, 0.45

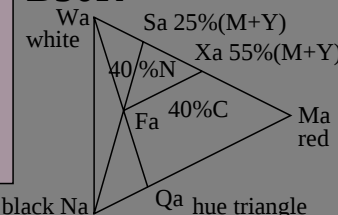
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.167
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.167
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.167
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.167
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*SRS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*SRS18 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nch setcolor

lab*nch*: 0.4, 0.15, 0.191

LAB*LABx: 60.51, 4.13, 10.67

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'JG'B' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*ORS18 setcmkcolor

output: cmyn4* setcmkcolor

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

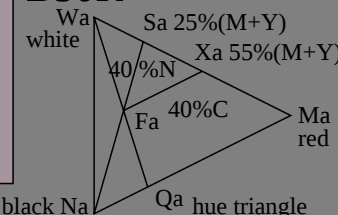
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nch setcolor

lab*nch*: 0.4, 0.15, 0.195

LAB*LABx: 53.68, 4.22, 11.65

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 55.48 -12.4 11.99
LAB*LABa 55.48 -12.4 11.99
LAB*TCHa 52.5 17.26 136.01
CIELAB relative:
lab*lab 0.581 -0.107 0.104
lab*tch 0.525 0.15 0.378
lab*nch 0.4 0.15 0.378
Natural Colour (NC) relative:
lab*lrj 0.581 -0.124 0.083
lab*tce 0.525 0.15 0.406
lab*nce 0.4 0.15 j62g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 50.1 0.0 0.0
LAB*LABa 50.1 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 50.51 11.54 9.68
LAB*LABa 50.51 11.54 9.68
LAB*TCHa 52.5 15.06 40.0
CIELAB relative:
lab*lab 0.529 0.115 0.096
lab*tch 0.525 0.15 0.111
lab*nch 0.4 0.15 0.111
Natural Colour (NC) relative:
lab*lrj 0.529 0.141 0.05
lab*tce 0.525 0.15 0.054
lab*nce 0.4 0.15 r21j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45

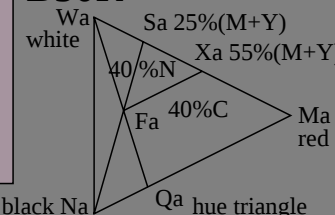
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*TLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS00 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.191*

*LAB*LABx: 60.51, 4.13, 10.67*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.73 -5.79 11.92
*LAB*LABa* 60.73 -5.47 9.5
*LAB*TCHa* 52.5 10.97 119.98
CIELAB relative:
*lab*lab* 0.552 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.552 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.77 -9.68 7.46
*LAB*LABa* 57.77 -9.41 5.24
*LAB*TCHa* 52.5 10.78 150.91
CIELAB relative:
*lab*lab* 0.514 -0.13 0.073
*lab*tch* 0.525 0.15 0.419
*lab*nch* 0.4 0.15 0.419
Natural Colour (NC) relative:
*lab*lrj* 0.514 -0.144 0.038
*lab*tce* 0.525 0.15 0.46
*lab*nce* 0.4 0.15 j83g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.93 -4.83 -4.44
*LAB*LABa* 58.93 -4.54 -6.74
*LAB*TCHa* 52.5 8.14 236.02
CIELAB relative:
*lab*lab* 0.529 -0.083 -0.123
*lab*tch* 0.525 0.15 0.656
*lab*nch* 0.4 0.15 0.656
Natural Colour (NC) relative:
*lab*lrj* 0.529 -0.073 -0.13
*lab*tce* 0.525 0.15 0.668
*lab*nce* 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.69 -1.91 16.38
*LAB*LABa* 63.69 -1.53 13.76
*LAB*TCHa* 52.5 13.85 96.38
CIELAB relative:
*lab*lab* 0.59 -0.016 0.149
*lab*tch* 0.525 0.15 0.268
*lab*nch* 0.4 0.15 0.268
Natural Colour (NC) relative:
*lab*lrj* 0.59 -0.013 0.149
*lab*tce* 0.525 0.15 0.265
*lab*nce* 0.4 0.15 j05g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 -0.27 2.28
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.0 4.47 -4.68
*LAB*LABa* 54.0 4.66 -6.65
*LAB*TCHa* 52.5 8.13 305.0
CIELAB relative:
*lab*lab* 0.465 0.086 -0.122
*lab*tch* 0.525 0.15 0.847
*lab*nch* 0.4 0.15 0.847
Natural Colour (NC) relative:
*lab*lrj* 0.465 0.067 -0.133
*lab*tce* 0.525 0.15 0.823
*lab*nce* 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.51 3.82 13.08
*LAB*LABa* 60.51 4.13 10.67
*LAB*TCHa* 52.5 11.44 68.82
CIELAB relative:
*lab*lab* 0.549 0.054 0.14
*lab*tch* 0.525 0.15 0.191
*lab*nch* 0.4 0.15 0.191
Natural Colour (NC) relative:
*lab*lrj* 0.549 0.079 0.128
*lab*tce* 0.525 0.15 0.162
*lab*nce* 0.4 0.15 r64j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.33 9.55 9.77
*LAB*LABa* 57.33 9.81 7.58
*LAB*TCHa* 52.5 12.39 37.69
CIELAB relative:
*lab*lab* 0.508 0.119 0.092
*lab*tch* 0.525 0.15 0.105
*lab*nch* 0.4 0.15 0.105
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.144 0.042
*lab*tce* 0.525 0.15 0.046
*lab*nce* 0.4 0.15 r18j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 57.36 11.03 0.94
*LAB*LABa* 57.36 11.29 -1.24
*LAB*TCHa* 52.5 11.36 353.66
CIELAB relative:
*lab*lab* 0.508 0.149 -0.016
*lab*tch* 0.525 0.15 0.982
*lab*nch* 0.4 0.15 0.982
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.136 -0.063
*lab*tce* 0.525 0.15 0.93
*lab*nce* 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 60.51, 4.13, 10.67
*LCH*Fa*: 60.51, 11.44, 68.82

*LAB*Ma*: 69.15, 27.56, 71.13
*LCH*Ma*: 69.15, 76.28, 68.82

*LAB*Sa*: 88.85, 6.89, 17.78
*LCH*Sa*: 88.85, 19.07, 68.82

*LAB*Qa*: 31.96, 7.52, 19.4
*LCH*Qa*: 31.96, 20.8, 68.82

*LAB*Xa*: 80.97, 15.16, 39.12
*LCH*Xa*: 80.97, 41.96, 68.82

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.191
*ncw*Fa*: 0.4, 0.15, 0.45

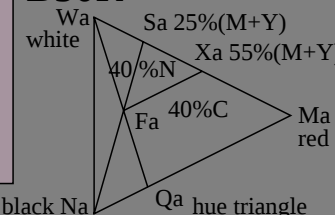
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.191
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.191
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.191
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.191
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*DRSxx* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*DRSxx setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.192*

*LAB*LABx: 61.05, 3.88, 10.15*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.39 -7.42 11.94
*LAB*LABa* 63.39 -7.42 11.94
*LAB*TCHa* 52.5 14.07 121.9
CIELAB relative:
*lab*lab* 0.586 -0.078 0.127
*lab*tch* 0.525 0.15 0.339
*lab*nch* 0.4 0.15 0.339
Natural Colour (NC) relative:
*lab*lrj* 0.586 -0.092 0.118
*lab*tce* 0.525 0.15 0.356
*lab*nce* 0.4 0.15 j42g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 62.74 -11.85 11.12
*LAB*LABa* 62.74 -11.85 11.12
*LAB*TCHa* 52.5 16.26 136.86
CIELAB relative:
*lab*lab* 0.578 -0.108 0.103
*lab*tch* 0.525 0.15 0.38
*lab*nch* 0.4 0.15 0.38
Natural Colour (NC) relative:
*lab*lrj* 0.578 -0.125 0.081
*lab*tce* 0.525 0.15 0.409
*lab*nce* 0.4 0.15 j63g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 63.21 -6.66 -1.96
*LAB*LABa* 63.21 -6.66 -1.96
*LAB*TCHa* 52.5 6.95 196.46
CIELAB relative:
*lab*lab* 0.584 -0.143 -0.042
*lab*tch* 0.525 0.15 0.546
*lab*nch* 0.4 0.15 0.546
Natural Colour (NC) relative:
*lab*lrj* 0.584 -0.131 -0.07
*lab*tce* 0.525 0.15 0.578
*lab*nce* 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 64.05 -3.0 12.77
*LAB*LABa* 64.05 -3.0 12.77
*LAB*TCHa* 52.5 13.12 103.25
CIELAB relative:
*lab*lab* 0.595 -0.033 0.146
*lab*tch* 0.525 0.15 0.287
*lab*nch* 0.4 0.15 0.287
Natural Colour (NC) relative:
*lab*lrj* 0.595 -0.036 0.145
*lab*tce* 0.525 0.15 0.289
*lab*nce* 0.4 0.15 j15g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.9 3.7 -5.62
*LAB*LABa* 54.9 3.7 -5.62
*LAB*TCHa* 52.5 6.74 303.29
CIELAB relative:
*lab*lab* 0.477 0.082 -0.124
*lab*tch* 0.525 0.15 0.842
*lab*nch* 0.4 0.15 0.842
Natural Colour (NC) relative:
*lab*lrj* 0.477 0.063 -0.135
*lab*tce* 0.525 0.15 0.819
*lab*nce* 0.4 0.15 b27r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 61.05 3.88 10.15
*LAB*LABa* 61.05 3.88 10.15
*LAB*TCHa* 52.5 10.86 69.07
CIELAB relative:
*lab*lab* 0.556 0.054 0.14
*lab*tch* 0.525 0.15 0.192
*lab*nch* 0.4 0.15 0.192
Natural Colour (NC) relative:
*lab*lrj* 0.556 0.078 0.128
*lab*tce* 0.525 0.15 0.163
*lab*nce* 0.4 0.15 r65j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.04 10.77 7.53
*LAB*LABa* 58.04 10.77 7.53
*LAB*TCHa* 52.5 13.14 34.95
CIELAB relative:
*lab*lab* 0.517 0.123 0.086
*lab*tch* 0.525 0.15 0.097
*lab*nch* 0.4 0.15 0.097
Natural Colour (NC) relative:
*lab*lrj* 0.517 0.146 0.033
*lab*tce* 0.525 0.15 0.035
*lab*nce* 0.4 0.15 r14j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.98 13.42 -2.91
*LAB*LABa* 58.98 13.42 -2.91
*LAB*TCHa* 52.5 13.74 347.72
CIELAB relative:
*lab*lab* 0.529 0.147 -0.031
*lab*tch* 0.525 0.15 0.966
*lab*nch* 0.4 0.15 0.966
Natural Colour (NC) relative:
*lab*lrj* 0.529 0.13 -0.074
*lab*tce* 0.525 0.15 0.917
*lab*nce* 0.4 0.15 b66r

B50R'

All data for the colour R50J'

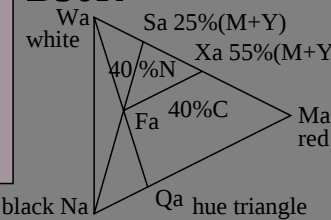
R50J'

*LAB*Fa*: 61.05, 3.88, 10.15
*LCH*Fa*: 61.05, 10.86, 69.07
*LAB*Ma*: 72.72, 25.87, 67.65
*LCH*Ma*: 72.72, 72.43, 69.07
*LAB*Sa*: 89.74, 6.47, 16.91
*LCH*Sa*: 89.74, 18.11, 69.07
*LAB*Qa*: 32.93, 7.06, 18.45
*LCH*Qa*: 32.93, 19.75, 69.07
*LAB*Xa*: 82.93, 14.23, 37.21
*LCH*Xa*: 82.93, 39.84, 69.07

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.192
*ncw*Fa*: 0.4, 0.15, 0.45
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.192
*ncw*Ma*: 0.0, 1.0, 0.0
*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.192
*ncw*Sa*: 0.0, 0.25, 0.75
*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.192
*ncw*Qa*: 0.727, 0.273, 0.0
*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.192
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*TLS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*TLS18 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.167*

*LAB*LABx: 52.5, 6.5, 11.25*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 52.5 -6.49 11.25
*LAB*LABa* 52.5 -6.49 11.25
*LAB*TCHa* 52.5 12.99 120.0
CIELAB relative:
*lab*lab* 0.525 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.525 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 50.0 -12.98 7.5
*LAB*LABa* 50.0 -12.98 7.5
*LAB*TCHa* 52.5 15.0 150.0
CIELAB relative:
*lab*lab* 0.5 -0.129 0.075
*lab*tch* 0.525 0.15 0.417
*lab*nch* 0.4 0.15 0.417
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.143 0.041
*lab*tce* 0.525 0.15 0.456
*lab*nce* 0.4 0.15 j82g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 55.0 -12.98 -7.49
*LAB*LABa* 55.0 -12.98 -7.49
*LAB*TCHa* 52.5 15.0 210.0
CIELAB relative:
*lab*lab* 0.55 -0.129 -0.074
*lab*tch* 0.525 0.15 0.583
*lab*nch* 0.4 0.15 0.583
Natural Colour (NC) relative:
*lab*lrj* 0.55 -0.115 -0.094
*lab*tce* 0.525 0.15 0.609
*lab*nce* 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 55.0 0.0 15.0
*LAB*LABa* 55.0 0.0 15.0
*LAB*TCHa* 52.5 15.0 90.0
CIELAB relative:
*lab*lab* 0.55 0.0 0.15
*lab*tch* 0.525 0.15 0.25
*lab*nch* 0.4 0.15 0.25
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.008 0.15
*lab*tce* 0.525 0.15 0.241
*lab*nce* 0.4 0.15 r96j

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 52.5 0.0 0.0
*LAB*LABa* 52.5 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 50.0 0.0 -14.99
*LAB*LABa* 50.0 0.0 -14.99
*LAB*TCHa* 52.5 15.0 270.0
CIELAB relative:
*lab*lab* 0.5 0.0 -0.149
*lab*tch* 0.525 0.15 0.75
*lab*nch* 0.4 0.15 0.75
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.003 -0.149
*lab*tce* 0.525 0.15 0.746
*lab*nce* 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 52.5 6.5 11.25
*LAB*LABa* 52.5 6.5 11.25
*LAB*TCHa* 52.5 12.99 60.0
CIELAB relative:
*lab*lab* 0.525 0.075 0.13
*lab*tch* 0.525 0.15 0.167
*lab*nch* 0.4 0.15 0.167
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.103 0.109
*lab*tce* 0.525 0.15 0.129
*lab*nce* 0.4 0.15 r51j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 50.0 12.99 7.5
*LAB*LABa* 50.0 12.99 7.5
*LAB*TCHa* 52.5 15.0 30.0
CIELAB relative:
*lab*lab* 0.5 0.13 0.075
*lab*tch* 0.525 0.15 0.083
*lab*nch* 0.4 0.15 0.083
Natural Colour (NC) relative:
*lab*lrj* 0.5 0.149 0.016
*lab*tce* 0.525 0.15 0.017
*lab*nce* 0.4 0.15 r06j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 55.0 12.99 -7.49
*LAB*LABa* 55.0 12.99 -7.49
*LAB*TCHa* 52.5 15.0 330.0
CIELAB relative:
*lab*lab* 0.55 0.13 -0.074
*lab*tch* 0.525 0.15 0.917
*lab*nch* 0.4 0.15 0.917
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.108 -0.103
*lab*tce* 0.525 0.15 0.878
*lab*nce* 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa: 52.5, 6.5, 11.25*
*LCH*Fa: 52.5, 12.99, 60.0*

*LAB*Ma: 50.0, 43.3, 75.0*
*LCH*Ma: 50.0, 86.6, 60.0*

*LAB*Sa: 87.5, 10.82, 18.75*
*LCH*Sa: 87.5, 21.65, 60.0*

*LAB*Qa: 13.64, 11.81, 20.45*
*LCH*Qa: 13.64, 23.62, 60.0*

*LAB*Xa: 72.5, 23.82, 41.25*
*LCH*Xa: 72.5, 47.63, 60.0*

R'

*olvi3*Fa: 0.6, 0.525, 0.45*
*tch*Fa: 0.525, 0.15, 0.167*
*ncw*Fa: 0.4, 0.15, 0.45*

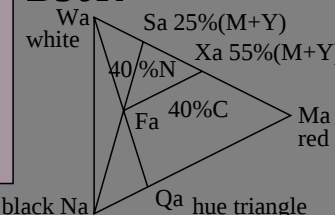
*olvi3*Ma: 1.0, 0.5, 0.0*
*tch*Ma: 0.5, 1.0, 0.167*
*ncw*Ma: 0.0, 1.0, 0.0*

*olvi3*Sa: 1.0, 0.875, 0.75*
*tch*Sa: 0.875, 0.25, 0.167*
*ncw*Sa: 0.0, 0.25, 0.75*

*olvi3*Qa: 0.273, 0.136, 0.0*
*tch*Qa: 0.136, 0.273, 0.167*
*ncw*Qa: 0.727, 0.273, 0.0*

*olvi3*Xa: 1.0, 0.725, 0.45*
*tch*Xa: 0.725, 0.55, 0.167*
*ncw*Xa: 0.0, 0.55, 0.45*

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*SLS00* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*SLS00 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.167*

*LAB*LABx: 58.65, 6.5, 11.25*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 -6.49 11.25
*LAB*LABa* 58.65 -6.49 11.25
*LAB*TCHa* 52.5 12.99 120.0
CIELAB relative:
*lab*lab* 0.525 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.525 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 -12.98 7.5
*LAB*LABa* 56.71 -12.98 7.5
*LAB*TCHa* 52.5 15.0 150.0
CIELAB relative:
*lab*lab* 0.5 -0.129 0.075
*lab*tch* 0.525 0.15 0.417
*lab*nch* 0.4 0.15 0.417
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.143 0.041
*lab*tce* 0.525 0.15 0.456
*lab*nce* 0.4 0.15 j82g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 -12.98 -7.49
*LAB*LABa* 60.58 -12.98 -7.49
*LAB*TCHa* 52.5 15.0 210.0
CIELAB relative:
*lab*lab* 0.55 -0.129 -0.074
*lab*tch* 0.525 0.15 0.583
*lab*nch* 0.4 0.15 0.583
Natural Colour (NC) relative:
*lab*lrj* 0.55 -0.115 -0.094
*lab*tce* 0.525 0.15 0.609
*lab*nce* 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.58 0.0 15.0
*LAB*LABa* 60.58 0.0 15.0
*LAB*TCHa* 52.5 15.0 90.0
CIELAB relative:
*lab*lab* 0.55 0.0 0.15
*lab*tch* 0.525 0.15 0.25
*lab*nch* 0.4 0.15 0.25
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.008 0.15
*lab*tce* 0.525 0.15 0.241
*lab*nce* 0.4 0.15 r96j

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 56.71 0.0 -14.99
*LAB*LABa* 56.71 0.0 -14.99
*LAB*TCHa* 52.5 15.0 270.0
CIELAB relative:
*lab*lab* 0.5 0.0 -0.149
*lab*tch* 0.525 0.15 0.75
*lab*nch* 0.4 0.15 0.75
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.003 -0.149
*lab*tce* 0.525 0.15 0.746
*lab*nce* 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 6.5 11.25
*LAB*LABa* 58.65 6.5 11.25
*LAB*TCHa* 52.5 12.99 60.0
CIELAB relative:
*lab*lab* 0.525 0.075 0.13
*lab*tch* 0.525 0.15 0.167
*lab*nch* 0.4 0.15 0.167
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.103 0.109
*lab*tce* 0.525 0.15 0.129
*lab*nce* 0.4 0.15 r51j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 12.99 7.5
*LAB*LABa* 56.71 12.99 7.5
*LAB*TCHa* 52.5 15.0 30.0
CIELAB relative:
*lab*lab* 0.5 0.13 0.075
*lab*tch* 0.525 0.15 0.083
*lab*nch* 0.4 0.15 0.083
Natural Colour (NC) relative:
*lab*lrj* 0.5 0.149 0.016
*lab*tce* 0.525 0.15 0.017
*lab*nce* 0.4 0.15 r06j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 12.99 -7.49
*LAB*LABa* 60.58 12.99 -7.49
*LAB*TCHa* 52.5 15.0 330.0
CIELAB relative:
*lab*lab* 0.55 0.13 -0.074
*lab*tch* 0.525 0.15 0.917
*lab*nch* 0.4 0.15 0.917
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.108 -0.103
*lab*tce* 0.525 0.15 0.878
*lab*nce* 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 58.65, 6.5, 11.25
*LCH*Fa*: 58.65, 12.99, 60.0

*LAB*Ma*: 56.71, 43.3, 75.0
*LCH*Ma*: 56.71, 86.6, 60.0

*LAB*Sa*: 85.74, 10.82, 18.75
*LCH*Sa*: 85.74, 21.65, 60.0

*LAB*Qa*: 28.56, 11.81, 20.45
*LCH*Qa*: 28.56, 23.62, 60.0

*LAB*Xa*: 74.12, 23.82, 41.25
*LCH*Xa*: 74.12, 47.63, 60.0

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.167
*ncw*Fa*: 0.4, 0.15, 0.45

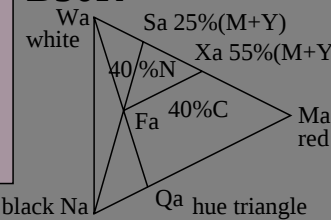
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.167
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.167
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.167
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.167
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*SRS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*SRS18 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*,isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.162

LAB*LABx: 60.51, 4.13, 10.67

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*ORS18 setcmkcolor

output: cmyn4* setcmkcolor

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

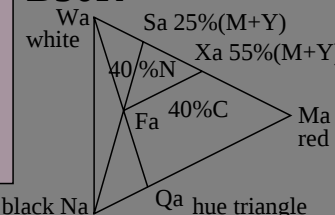
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.167

LAB*LABx: 53.68, 4.22, 11.65

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23

CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337

Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 55.48 -12.4 11.99
LAB*LABa 55.48 -12.4 11.99
LAB*TCHa 52.5 17.26 136.01

CIELAB relative:
lab*lab 0.581 -0.107 0.104
lab*tch 0.525 0.15 0.378
lab*nch 0.4 0.15 0.378

Natural Colour (NC) relative:
lab*lrj 0.581 -0.124 0.083
lab*tce 0.525 0.15 0.406
lab*nce 0.4 0.15 j62g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4

CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37

CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545

Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85

CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286

Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475

CIELAB absolute:
LAB*LAB 50.1 0.0 0.0
LAB*LABa 50.1 0.0 0.0
LAB*TCHa 52.5 0.0 -

CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -

Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29

CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851

Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4

CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1

CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195

Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4

CIELAB absolute:
LAB*LAB 50.51 11.54 9.68
LAB*LABa 50.51 11.54 9.68
LAB*TCHa 52.5 15.06 40.0

CIELAB relative:
lab*lab 0.529 0.115 0.096
lab*tch 0.525 0.15 0.111
lab*nch 0.4 0.15 0.111

Natural Colour (NC) relative:
lab*lrj 0.529 0.141 0.05
lab*tce 0.525 0.15 0.054
lab*nce 0.4 0.15 r21j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23

CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912

Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45

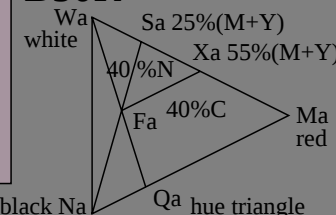
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*TLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS00 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nce setcolor*

*lab*nce: 0.4, 0.15, 0.162*

*LAB*LABx: 60.51, 4.13, 10.67*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.73 -5.79 11.92
*LAB*LABa* 60.73 -5.47 9.5
*LAB*TCHa* 52.5 10.97 119.98
CIELAB relative:
*lab*lab* 0.552 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.552 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.77 -9.68 7.46
*LAB*LABa* 57.77 -9.41 5.24
*LAB*TCHa* 52.5 10.78 150.91
CIELAB relative:
*lab*lab* 0.514 -0.13 0.073
*lab*tch* 0.525 0.15 0.419
*lab*nch* 0.4 0.15 0.419
Natural Colour (NC) relative:
*lab*lrj* 0.514 -0.144 0.038
*lab*tce* 0.525 0.15 0.46
*lab*nce* 0.4 0.15 j83g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.93 -4.83 -4.44
*LAB*LABa* 58.93 -4.54 -6.74
*LAB*TCHa* 52.5 8.14 236.02
CIELAB relative:
*lab*lab* 0.529 -0.083 -0.123
*lab*tch* 0.525 0.15 0.656
*lab*nch* 0.4 0.15 0.656
Natural Colour (NC) relative:
*lab*lrj* 0.529 -0.073 -0.13
*lab*tce* 0.525 0.15 0.668
*lab*nce* 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.69 -1.91 16.38
*LAB*LABa* 63.69 -1.53 13.76
*LAB*TCHa* 52.5 13.85 96.38
CIELAB relative:
*lab*lab* 0.59 -0.016 0.149
*lab*tch* 0.525 0.15 0.268
*lab*nch* 0.4 0.15 0.268
Natural Colour (NC) relative:
*lab*lrj* 0.59 -0.013 0.149
*lab*tce* 0.525 0.15 0.265
*lab*nce* 0.4 0.15 j05g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 -0.27 2.28
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.0 4.47 -4.68
*LAB*LABa* 54.0 4.66 -6.65
*LAB*TCHa* 52.5 8.13 305.0
CIELAB relative:
*lab*lab* 0.465 0.086 -0.122
*lab*tch* 0.525 0.15 0.847
*lab*nch* 0.4 0.15 0.847
Natural Colour (NC) relative:
*lab*lrj* 0.465 0.067 -0.133
*lab*tce* 0.525 0.15 0.823
*lab*nce* 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.51 3.82 13.08
*LAB*LABa* 60.51 4.13 10.67
*LAB*TCHa* 52.5 11.44 68.82
CIELAB relative:
*lab*lab* 0.549 0.054 0.14
*lab*tch* 0.525 0.15 0.191
*lab*nch* 0.4 0.15 0.191
Natural Colour (NC) relative:
*lab*lrj* 0.549 0.079 0.128
*lab*tce* 0.525 0.15 0.162
*lab*nce* 0.4 0.15 r64j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 57.33 9.55 9.77
*LAB*LABa* 57.33 9.81 7.58
*LAB*TCHa* 52.5 12.39 37.69
CIELAB relative:
*lab*lab* 0.508 0.119 0.092
*lab*tch* 0.525 0.15 0.105
*lab*nch* 0.4 0.15 0.105
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.144 0.042
*lab*tce* 0.525 0.15 0.046
*lab*nce* 0.4 0.15 r18j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 57.36 11.03 0.94
*LAB*LABa* 57.36 11.29 -1.24
*LAB*TCHa* 52.5 11.36 353.66
CIELAB relative:
*lab*lab* 0.508 0.149 -0.016
*lab*tch* 0.525 0.15 0.982
*lab*nch* 0.4 0.15 0.982
Natural Colour (NC) relative:
*lab*lrj* 0.508 0.136 -0.063
*lab*tce* 0.525 0.15 0.93
*lab*nce* 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 60.51, 4.13, 10.67
*LCH*Fa*: 60.51, 11.44, 68.82

*LAB*Ma*: 69.15, 27.56, 71.13
*LCH*Ma*: 69.15, 76.28, 68.82

*LAB*Sa*: 88.85, 6.89, 17.78
*LCH*Sa*: 88.85, 19.07, 68.82

*LAB*Qa*: 31.96, 7.52, 19.4
*LCH*Qa*: 31.96, 20.8, 68.82

*LAB*Xa*: 80.97, 15.16, 39.12
*LCH*Xa*: 80.97, 41.96, 68.82

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.191
*ncw*Fa*: 0.4, 0.15, 0.45

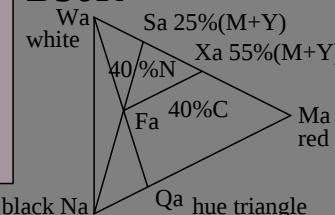
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.191
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.191
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.191
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.191
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*DRSxx* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*DRSxx setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nce setcolor*

*lab*nce: 0.4, 0.15, 0.163*

*LAB*LABx: 61.05, 3.88, 10.15*

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 63.39 -7.42 11.94
*LAB*LABa* 63.39 -7.42 11.94
*LAB*TCHa* 52.5 14.07 121.9
CIELAB relative:
*lab*lab* 0.586 -0.078 0.127
*lab*tch* 0.525 0.15 0.339
*lab*nch* 0.4 0.15 0.339
Natural Colour (NC) relative:
*lab*lrj* 0.586 -0.092 0.118
*lab*tce* 0.525 0.15 0.356
*lab*nce* 0.4 0.15 j42g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 62.74 -11.85 11.12
*LAB*LABa* 62.74 -11.85 11.12
*LAB*TCHa* 52.5 16.26 136.86
CIELAB relative:
*lab*lab* 0.578 -0.108 0.103
*lab*tch* 0.525 0.15 0.38
*lab*nch* 0.4 0.15 0.38
Natural Colour (NC) relative:
*lab*lrj* 0.578 -0.125 0.081
*lab*tce* 0.525 0.15 0.409
*lab*nce* 0.4 0.15 j63g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 63.21 -6.66 -1.96
*LAB*LABa* 63.21 -6.66 -1.96
*LAB*TCHa* 52.5 6.95 196.46
CIELAB relative:
*lab*lab* 0.584 -0.143 -0.042
*lab*tch* 0.525 0.15 0.546
*lab*nch* 0.4 0.15 0.546
Natural Colour (NC) relative:
*lab*lrj* 0.584 -0.131 -0.07
*lab*tce* 0.525 0.15 0.578
*lab*nce* 0.4 0.15 g31b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 64.05 -3.0 12.77
*LAB*LABa* 64.05 -3.0 12.77
*LAB*TCHa* 52.5 13.12 103.25
CIELAB relative:
*lab*lab* 0.595 -0.033 0.146
*lab*tch* 0.525 0.15 0.287
*lab*nch* 0.4 0.15 0.287
Natural Colour (NC) relative:
*lab*lrj* 0.595 -0.036 0.145
*lab*tce* 0.525 0.15 0.289
*lab*nce* 0.4 0.15 j15g

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 54.9 3.7 -5.62
*LAB*LABa* 54.9 3.7 -5.62
*LAB*TCHa* 52.5 6.74 303.29
CIELAB relative:
*lab*lab* 0.477 0.082 -0.124
*lab*tch* 0.525 0.15 0.842
*lab*nch* 0.4 0.15 0.842
Natural Colour (NC) relative:
*lab*lrj* 0.477 0.063 -0.135
*lab*tce* 0.525 0.15 0.819
*lab*nce* 0.4 0.15 b27r

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 61.05 3.88 10.15
*LAB*LABa* 61.05 3.88 10.15
*LAB*TCHa* 52.5 10.86 69.07
CIELAB relative:
*lab*lab* 0.556 0.054 0.14
*lab*tch* 0.525 0.15 0.192
*lab*nch* 0.4 0.15 0.192
Natural Colour (NC) relative:
*lab*lrj* 0.556 0.078 0.128
*lab*tce* 0.525 0.15 0.163
*lab*nce* 0.4 0.15 r65j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.04 10.77 7.53
*LAB*LABa* 58.04 10.77 7.53
*LAB*TCHa* 52.5 13.14 34.95
CIELAB relative:
*lab*lab* 0.517 0.123 0.086
*lab*tch* 0.525 0.15 0.097
*lab*nch* 0.4 0.15 0.097
Natural Colour (NC) relative:
*lab*lrj* 0.517 0.146 0.033
*lab*tce* 0.525 0.15 0.035
*lab*nce* 0.4 0.15 r14j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 58.98 13.42 -2.91
*LAB*LABa* 58.98 13.42 -2.91
*LAB*TCHa* 52.5 13.74 347.72
CIELAB relative:
*lab*lab* 0.529 0.147 -0.031
*lab*tch* 0.525 0.15 0.966
*lab*nch* 0.4 0.15 0.966
Natural Colour (NC) relative:
*lab*lrj* 0.529 0.13 -0.074
*lab*tce* 0.525 0.15 0.917
*lab*nce* 0.4 0.15 b66r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 61.05, 3.88, 10.15
*LCH*Fa*: 61.05, 10.86, 69.07

*LAB*Ma*: 72.72, 25.87, 67.65
*LCH*Ma*: 72.72, 72.43, 69.07

*LAB*Sa*: 89.74, 6.47, 16.91
*LCH*Sa*: 89.74, 18.11, 69.07

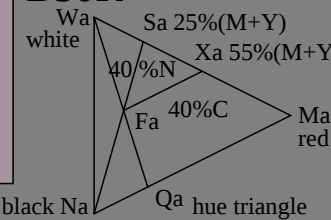
*LAB*Qa*: 32.93, 7.06, 18.45
*LCH*Qa*: 32.93, 19.75, 69.07

*LAB*Xa*: 82.93, 14.23, 37.21
*LCH*Xa*: 82.93, 39.84, 69.07

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.192
*ncw*Fa*: 0.4, 0.15, 0.45
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.192
*ncw*Ma*: 0.0, 1.0, 0.0
*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.192
*ncw*Sa*: 0.0, 0.25, 0.75
*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.192
*ncw*Qa*: 0.727, 0.273, 0.0
*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.192
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*TLS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*TLS18 setcmkcolor*

output: *cmyn4* setcmkcolor*

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.129

LAB*LABx: 52.5, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 -12.98 7.5
LAB*LABa 50.0 -12.98 7.5
LAB*TCHa 52.5 15.0 150.0
CIELAB relative:
lab*lab 0.5 -0.129 0.075
lab*tch 0.525 0.15 0.417
lab*nch 0.4 0.15 0.417
Natural Colour (NC) relative:
lab*lrj 0.5 -0.143 0.041
lab*tce 0.525 0.15 0.456
lab*nce 0.4 0.15 j82g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 52.5 0.0 0.0
LAB*LABa 52.5 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 50.0 12.99 7.5
LAB*LABa 50.0 12.99 7.5
LAB*TCHa 52.5 15.0 30.0
CIELAB relative:
lab*lab 0.5 0.13 0.075
lab*tch 0.525 0.15 0.083
lab*nch 0.4 0.15 0.083
Natural Colour (NC) relative:
lab*lrj 0.5 0.149 0.016
lab*tce 0.525 0.15 0.017
lab*nce 0.4 0.15 r06j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

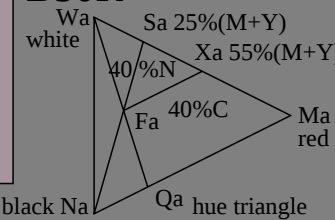
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SLS00 setcmkcolor

output: cmyn4* setcmkcolor

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49,
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.93, 0.85, 0.6
cmyn4*Fa: 0.0, 0.07, 0.15, 0.4

abpe3*: 0.045, 0.045, 0.481, 0.184
tqf3*.isect: 0.555, 0.519, 0.816, 3.0

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nce setcolor*

*lab*nce: 0.4, 0.15, 0.129*

*LAB*LABx: 58.65, 6.5, 11.25*

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
*olvi3** 0.555 0.6 0.51 (1.0)
*cmyn3** 0.445 0.4 0.49 (0.0)
*olvi4** 0.925 1.0 0.85 0.6
*cmyn4** 0.075 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 -6.49 11.25
*LAB*LABa* 58.65 -6.49 11.25
*LAB*TCHa* 52.5 12.99 120.0
CIELAB relative:
*lab*lab* 0.525 -0.074 0.13
*lab*tch* 0.525 0.15 0.333
*lab*nch* 0.4 0.15 0.333
Natural Colour (NC) relative:
*lab*lrj* 0.525 -0.086 0.122
*lab*tce* 0.525 0.15 0.349
*lab*nce* 0.4 0.15 j39g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.51 (1.0)
*cmyn3** 0.49 0.4 0.49 (0.0)
*olvi4** 0.85 1.0 0.85 0.6
*cmyn4** 0.15 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 -12.98 7.5
*LAB*LABa* 56.71 -12.98 7.5
*LAB*TCHa* 52.5 15.0 150.0
CIELAB relative:
*lab*lab* 0.5 -0.129 0.075
*lab*tch* 0.525 0.15 0.417
*lab*nch* 0.4 0.15 0.417
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.143 0.041
*lab*tce* 0.525 0.15 0.456
*lab*nce* 0.4 0.15 j82g

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.6 0.6 (1.0)
*cmyn3** 0.49 0.4 0.4 (0.0)
*olvi4** 0.85 1.0 1.0 0.6
*cmyn4** 0.15 0.0 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 -12.98 -7.49
*LAB*LABa* 60.58 -12.98 -7.49
*LAB*TCHa* 52.5 15.0 210.0
CIELAB relative:
*lab*lab* 0.55 -0.129 -0.074
*lab*tch* 0.525 0.15 0.583
*lab*nch* 0.4 0.15 0.583
Natural Colour (NC) relative:
*lab*lrj* 0.55 -0.115 -0.094
*lab*tce* 0.525 0.15 0.609
*lab*nce* 0.4 0.15 g43b

G50J'

J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.6 0.51 (1.0)
*cmyn3** 0.4 0.4 0.49 (0.0)
*olvi4** 1.0 1.0 0.85 0.6
*cmyn4** 0.0 0.0 0.15 0.4
CIELAB absolute:
*LAB*LAB* 60.58 0.0 15.0
*LAB*LABa* 60.58 0.0 15.0
*LAB*TCHa* 52.5 15.0 90.0
CIELAB relative:
*lab*lab* 0.55 0.0 0.15
*lab*tch* 0.525 0.15 0.25
*lab*nch* 0.4 0.15 0.25
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.008 0.15
*lab*tce* 0.525 0.15 0.241
*lab*nce* 0.4 0.15 r96j

Inform. Techn. (IT) relative:
*olvi3** 0.525 0.525 0.525 (1.0)
*cmyn3** 0.475 0.475 0.475 (0.0)
*olvi4** 1.0 1.0 1.0 0.525
*cmyn4** 0.0 0.0 0.0 0.475
CIELAB absolute:
*LAB*LAB* 58.65 0.0 0.0
*LAB*LABa* 58.65 0.0 0.0
*LAB*TCHa* 52.5 0.0 -
CIELAB relative:
*lab*lab* 0.525 0.0 0.0
*lab*tch* 0.525 0.0 -
*lab*nch* 0.475 0.0 -
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.0 0.0
*lab*tce* 0.525 0.0 -
*lab*nce* 0.475 0.0 -

Inform. Techn. (IT) relative:
*olvi3** 0.51 0.51 0.6 (1.0)
*cmyn3** 0.49 0.49 0.4 (0.0)
*olvi4** 0.85 0.85 1.0 0.6
*cmyn4** 0.15 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 56.71 0.0 -14.99
*LAB*LABa* 56.71 0.0 -14.99
*LAB*TCHa* 52.5 15.0 270.0
CIELAB relative:
*lab*lab* 0.5 0.0 -0.149
*lab*tch* 0.525 0.15 0.75
*lab*nch* 0.4 0.15 0.75
Natural Colour (NC) relative:
*lab*lrj* 0.5 -0.003 -0.149
*lab*tce* 0.525 0.15 0.746
*lab*nce* 0.4 0.15 g98b

B'

R50J'

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.555 0.51 (1.0)
*cmyn3** 0.4 0.445 0.49 (0.0)
*olvi4** 1.0 0.925 0.85 0.6
*cmyn4** 0.0 0.075 0.15 0.4
CIELAB absolute:
*LAB*LAB* 58.65 6.5 11.25
*LAB*LABa* 58.65 6.5 11.25
*LAB*TCHa* 52.5 12.99 60.0
CIELAB relative:
*lab*lab* 0.525 0.075 0.13
*lab*tch* 0.525 0.15 0.167
*lab*nch* 0.4 0.15 0.167
Natural Colour (NC) relative:
*lab*lrj* 0.525 0.103 0.109
*lab*tce* 0.525 0.15 0.129
*lab*nce* 0.4 0.15 r51j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.51 (1.0)
*cmyn3** 0.4 0.49 0.49 (0.0)
*olvi4** 1.0 0.85 0.85 0.6
*cmyn4** 0.0 0.15 0.15 0.4
CIELAB absolute:
*LAB*LAB* 56.71 12.99 7.5
*LAB*LABa* 56.71 12.99 7.5
*LAB*TCHa* 52.5 15.0 30.0
CIELAB relative:
*lab*lab* 0.5 0.13 0.075
*lab*tch* 0.525 0.15 0.083
*lab*nch* 0.4 0.15 0.083
Natural Colour (NC) relative:
*lab*lrj* 0.5 0.149 0.016
*lab*tce* 0.525 0.15 0.017
*lab*nce* 0.4 0.15 r06j

Inform. Techn. (IT) relative:
*olvi3** 0.6 0.51 0.6 (1.0)
*cmyn3** 0.4 0.49 0.4 (0.0)
*olvi4** 1.0 0.85 1.0 0.6
*cmyn4** 0.0 0.15 0.0 0.4
CIELAB absolute:
*LAB*LAB* 60.58 12.99 -7.49
*LAB*LABa* 60.58 12.99 -7.49
*LAB*TCHa* 52.5 15.0 330.0
CIELAB relative:
*lab*lab* 0.55 0.13 -0.074
*lab*tch* 0.525 0.15 0.917
*lab*nch* 0.4 0.15 0.917
Natural Colour (NC) relative:
*lab*lrj* 0.55 0.108 -0.103
*lab*tce* 0.525 0.15 0.878
*lab*nce* 0.4 0.15 b51r

B50R'

All data for the colour R50J'

R50J'

*LAB*Fa*: 58.65, 6.5, 11.25
*LCH*Fa*: 58.65, 12.99, 60.0

*LAB*Ma*: 56.71, 43.3, 75.0
*LCH*Ma*: 56.71, 86.6, 60.0

*LAB*Sa*: 85.74, 10.82, 18.75
*LCH*Sa*: 85.74, 21.65, 60.0

*LAB*Qa*: 28.56, 11.81, 20.45
*LCH*Qa*: 28.56, 23.62, 60.0

*LAB*Xa*: 74.12, 23.82, 41.25
*LCH*Xa*: 74.12, 47.63, 60.0

R'

*olvi3*Fa*: 0.6, 0.525, 0.45
*tch*Fa*: 0.525, 0.15, 0.167
*ncw*Fa*: 0.4, 0.15, 0.45

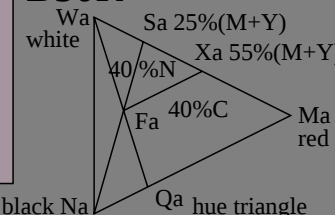
*olvi3*Ma*: 1.0, 0.5, 0.0
*tch*Ma*: 0.5, 1.0, 0.167
*ncw*Ma*: 0.0, 1.0, 0.0

*olvi3*Sa*: 1.0, 0.875, 0.75
*tch*Sa*: 0.875, 0.25, 0.167
*ncw*Sa*: 0.0, 0.25, 0.75

*olvi3*Qa*: 0.273, 0.136, 0.0
*tch*Qa*: 0.136, 0.273, 0.167
*ncw*Qa*: 0.727, 0.273, 0.0

*olvi3*Xa*: 1.0, 0.725, 0.45
*tch*Xa*: 0.725, 0.55, 0.167
*ncw*Xa*: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates *LAB*SRS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*SRS18 setcmkcolor*

output: *cmyn4* setcmkcolor*